

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---------------------------------|------------------|---------|------------------|
| S1 | 1 | "849250" | EPO | OR | ON | 2008/05/08 14:57 |
| S2 | 1 | "643034" | EPO | OR | ON | 2008/05/08 14:58 |
| S3 | 13 | "752406" | EPO; DERWENT | OR | ON | 2008/05/08 14:59 |
| S4 | 29 | "099680" | EPO; DERWENT | OR | ON | 2008/05/08 15:01 |
| S6 | 58 | "104179" | DERWENT | OR | ON | 2008/05/08 15:09 |
| S7 | 58 | "104179" | EPO; DERWENT | OR | ON | 2008/05/08 15:10 |
| S9 | 2 | "03104179" | EPO; DERWENT | OR | ON | 2008/05/08 15:11 |
| S10 | 10 | "5281751" | US-PGPUB; USPAT; USOCR | OR | ON | 2008/05/08 15:39 |
| S11 | 0 | "752406" AND (oxoacid OR superacid OR heteropolyacid) | EPO; DERWENT | OR | ON | 2008/05/15 11:32 |
| S12 | 1 | "849250" | EPO | OR | ON | 2008/05/15 11:33 |
| S13 | 1 | "643034" | EPO | OR | ON | 2008/05/15 11:33 |
| S14 | 13 | "752406" | EPO; DERWENT | OR | ON | 2008/05/15 11:33 |
| S15 | 30 | "099680" | EPO; DERWENT | OR | ON | 2008/05/15 11:33 |
| S16 | 58 | "104179" | DERWENT | OR | ON | 2008/05/15 11:33 |
| S17 | 58 | "104179" | EPO; DERWENT | OR | ON | 2008/05/15 11:33 |
| S18 | 2 | "03104179" | EPO; DERWENT | OR | ON | 2008/05/15 11:33 |
| S19 | 392290 | acetic acid | US-PGPUB; USPAT; USOCR; DERWENT | ADJ | ON | 2008/05/15 11:38 |
| S20 | 0 | (S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18) AND (oxoacid OR superacid OR heteropolyacid) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/05/15 11:40 |
| S21 | 5081 | (oxoacid OR superacid OR heteropolyacid) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/05/15 11:40 |
| S22 | 12461 | carboxylation | US-PGPUB; USPAT; USOCR; DERWENT | ADJ | ON | 2008/05/15 11:41 |

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| S23 | 380711 | oxoacid OR H ₂ SO ₄ OR (sulfuric ADJ acid) OR HNO ₃ (Nitric ADJ acid) OR H ₃ PO ₄ (phosphoric ADJ acid) | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2008/05/15 13:07 |
| S24 | 1171 | superacid | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2008/05/15 13:08 |
| S25 | 3349 | heteropolyacid OR 12-tungstophosphoric acid OR 12-molybdophosphoric acid OR 12-tungstosilicic acid OR 12-molybdsilicic acid | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2008/05/15 13:08 |
| S26 | 26787 | methanol AND carbon ADJ monoxide | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2008/05/15 13:09 |
| S27 | 38 | S21 AND S19 AND S22 AND S26 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/05/15 13:10 |
| S28 | 8 | ("4221712" "4316828" "5401876" "5659077" "6380426" "6383977" "6399816" "6472558"), PN, OR ("6960682"), URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/05/15 13:14 |
| S29 | 0 | ("7238838"), URPN. | USPAT | OR | ON | 2008/05/15 13:23 |
| S30 | 9 | ("20030158440" "20030204107" "20040031084" "5281752" "6383977" "6399816" "6472558" "6706919"), PN, OR ("7009074"), URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/05/15 13:34 |
| S31 | 30 | S25 AND S19 AND S22 AND S26 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/05/15 14:01 |
| S32 | 11 | S25 AND S19 AND S22 AND S26 AND iridium | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/05/15 14:19 |
| S33 | 8 | ("4221712" "4316828" "5401876" "5659077" "6380426" "6383977" "6399816" "6472558"), PN, | US-PGPUB; USPAT; USOCR | OR | ON | 2008/05/15 14:42 |
| S34 | 11981 | superacid OR HBF ₄ OR HPF ₆ OR H(CF ₃ SO ₂) ₂ N OR HCB ₆ Br ₆ OR (HCF ₃ SO ₃ OR trifluoromethanesulfonic ADJ acid) OR HSeF ₆ OR HFSO ₃ | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2008/05/15 14:57 |
| S35 | 12 | S25 AND S19 AND S22 AND iridium | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/05/15 15:41 |
| S36 | 12 | S25 AND S19 AND S22 AND iridium | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2008/05/15 15:44 |
| S37 | 36 | S23 AND S19 AND S22 AND iridium | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2008/05/15 15:44 |
| S38 | 30 | S23 AND S19 AND S22 AND iridium AND catalyst | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2008/05/15 15:46 |

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| S39 | 12 | S25 AND S19 AND S22 AND iridium AND catalyst | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2008/05/15 15:49 |
| S40 | 52 | S23 AND S22 AND iridium AND catalyst | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2008/05/15 16:35 |
| S41 | 0 | ("20050049434").PN. | USPAT; USOCR | OR | OFF | 2008/06/05 15:26 |
| S42 | 1 | "20050049434" | US-PGPUB; USPAT | OR | ON | 2008/06/05 15:26 |
| S43 | 0 | ("2005/0049434").URPN. | USPAT | OR | ON | 2008/06/05 15:30 |
| S44 | 0 | ("2005/0049434").URPN. | USPAT | OR | ON | 2008/06/05 15:30 |
| S45 | 2 | "6521783" | USPAT | OR | ON | 2008/06/05 15:32 |
| S46 | 3 | "2001024924" | DERWENT | OR | ON | 2008/06/05 15:51 |
| S47 | 3 | "2001077066" | DERWENT | OR | ON | 2008/06/05 15:54 |
| S48 | 1 | "6190562" | DERWENT | OR | ON | 2008/06/05 15:58 |
| S49 | 4 | "2001007393" | DERWENT | OR | ON | 2008/06/05 15:59 |
| S50 | 1 | "6068925" | DERWENT | OR | ON | 2008/06/05 16:01 |
| S51 | 3 | "2000014047" | DERWENT | OR | ON | 2008/06/05 16:03 |
| S52 | 10 | "640583" | DERWENT | OR | ON | 2008/06/05 16:16 |
| S53 | 1 | "06293695" | DERWENT | OR | ON | 2008/06/05 16:19 |
| S54 | 7 | "620205" | DERWENT | OR | ON | 2008/06/05 16:19 |
| S55 | 9 | "518548" | DERWENT | OR | ON | 2008/06/05 16:21 |
| S56 | 8 | "392875" | DERWENT | OR | ON | 2008/06/05 16:25 |
| S57 | 33 | "150003" | DERWENT | OR | ON | 2008/06/05 16:25 |
| S58 | 1139995 | PL "150003" | DERWENT | OR | ON | 2008/06/05 16:26 |
| S59 | 2 | "4629809" | DERWENT | OR | ON | 2008/06/05 16:40 |
| S60 | 30 | "182669" | DERWENT | OR | ON | 2008/06/05 16:40 |
| S61 | 0 | methanol AND iodomethane AND iridium | EPO; DERWENT | OR | ON | 2008/06/09 13:39 |
| S62 | 0 | methanol AND iodomethane AND iridium AND acetic ADJ acid | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:40 |

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| S63 | 0 | methanol AND iridium AND acetic ADJ acid | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:40 |
| S64 | 3207 | methanol AND catalyst AND iridium AND acetic ADJ acid | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:41 |
| S65 | 342 | methanol AND (catalyst NEAR iridium) AND (acetic ADJ acid) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:41 |
| S66 | 192 | methanol AND (catalyst NEAR iridium) AND (acetic ADJ acid) AND (promotor OR promoter OR co-catalyst OR co ADJ catalyst) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:43 |
| S68 | 373 | methanol AND iridium AND (methyl ADJ iodide OR iodomethane) AND (acetic ADJ acid) AND (promotor OR promoter OR co-catalyst OR co ADJ catalyst) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:48 |
| S69 | 142 | methanol AND (iridium NEAR catalyst) AND (methyl ADJ iodide OR iodomethane) AND (acetic ADJ acid) AND (promotor OR promoter OR co-catalyst OR co ADJ catalyst) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 13:58 |
| S70 | 0 | ("2008/0097124").URPN. | USPAT | OR | ON | 2008/06/09 13:58 |
| S71 | 0 | ("2008/0097124").URPN. | USPAT | OR | ON | 2008/06/09 13:58 |
| S72 | 373 | methanol AND iridium AND (methyl ADJ iodide OR iodomethane) AND (acetic ADJ acid) AND (promotor OR promoter OR co-catalyst OR co ADJ catalyst) AND acid | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 14:00 |
| S73 | 17 | methanol AND iridium AND (methyl ADJ iodide OR iodomethane) AND (acetic ADJ acid) AND ((promotor OR promoter OR co-catalyst OR co ADJ catalyst) NEAR acid) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 14:03 |
| S74 | 0 | methanol AND iridium AND (methyl ADJ iodide OR iodomethane) AND ((promotor OR promoter OR co-catalyst OR co ADJ catalyst) NEAR (super ADJ acid OR hammett ADJ acid\$3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:17 |
| S75 | 0 | methanol AND iridium AND (methyl ADJ iodide OR iodomethane) AND ((promotor OR promoter OR co-catalyst OR co ADJ catalyst) NEAR (super ADJ acid OR hammett ADJ acid\$3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:18 |

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| S76 | 0 | methanol AND iridium AND (methyl ADJ iodide OR iodomethane) AND ((promotor OR promoter OR co-catalyst OR co ADJ catalyst) NEAR (super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:27 |
| S77 | 0 | methanol AND catalyst AND (methyl ADJ iodide OR iodomethane) AND ((promotor OR promoter OR co-catalyst OR co ADJ catalyst) NEAR (super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:29 |
| S78 | 0 | iridium AND (methyl ADJ iodide OR iodomethane) AND ((promotor OR promoter OR co-catalyst OR co ADJ catalyst) NEAR (super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:29 |
| S79 | 65 | iridium AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:30 |
| S80 | 64 | iridium AND catalyst AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:30 |
| S81 | 12 | iridium NEAR catalyst AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:31 |

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| S82 | 65 | iridium AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/09 18:35 |
| S83 | 4 | "6521783" and iridium | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/10 15:37 |
| S84 | 2 | "6521783" and iridium | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2008/06/10 15:37 |
| S85 | 2 | "6521783" iridium | US-PGPUB; USPAT; EPO; DERWENT | AND | ON | 2008/06/10 15:38 |
| S86 | 2 | "6521783" iridium catalyst | US-PGPUB; USPAT; EPO; DERWENT | AND | ON | 2008/06/10 15:43 |
| S87 | 51407 | (ANTHONY HAYNES) OR (DAVID LAW) OR (ANDREW MILLER) OR (GEORGE MORRIS) OR (MARC PAYNE) OR (JOHN SUNLEY) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2008/06/10 17:05 |
| S88 | 76 | (ANTHONY ADJ HAYNES) OR (DAVID ADJ LAW) OR (ANDREW ADJ MILLER) OR (GEORGE ADJ MORRIS) OR (MARC ADJ PAYNE) OR (JOHN ADJ SUNLEY) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2008/06/10 17:06 |
| S89 | 331 | 560/232.ccls. | US-PGPUB; USPAT | OR | ON | 2008/06/10 17:12 |
| S91 | 13 | "752406" | EPO; DERWENT | OR | ON | 2008/06/10 17:19 |
| S92 | 75 | iridium AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2009/09/09 16:36 |
| S93 | 68 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR HAc OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND iridium AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid\$3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFSI OR (CF3SO2)2NH OR CBH6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2009/09/09 16:39 |

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| S94 | 68 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND iridium AND (methyl ADJ iodide OR iodomethane) AND ((super ADJ acid OR hammett ADJ acid3 OR Fluoroboric ADJ acid OR BF4 OR Fluorophosphoric ADJ Acid OR PF6 OR HTFS OR (CF3SO2)2NH OR C8H6BR6 OR HCF3SO3 OR trifluoromethanesulfonic ADJ acid OR \$1SBF6 OR \$1FSO3)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2009/09/09 16:40 |
| S95 | 5 | "6255527" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/09/09 17:52 |
| S96 | 23 | "5831120" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/09/09 17:57 |
| S97 | 27 | "583120" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/09/09 17:57 |
| S98 | 23 | "5831120" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/09/09 17:58 |
| S99 | 854 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND iridium AND (methyl ADJ iodide OR iodomethane) AND (12-tungstophosphoric acid OR 12-molybdochosphoric acid OR 12-tungstosilicic acid OR 12-molybdsilicic acid) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2009/09/10 10:03 |
| S100 | 8188 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND iridium AND (methyl ADJ iodide OR iodomethane) AND (12-tungstophosphoric acid OR 12-molybdochosphoric acid OR 12-tungstosilicic acid OR 12-molybdsilicic acid) carbonylation | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2009/09/10 10:03 |

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|------|-------|---|-------------------------------|-----|----|------------------|
| S101 | 8 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND iridium AND (methyl ADJ iodide OR iodomethane) AND (12-tungstophosphoric acid OR 12-molybdochosphoric acid OR 12-tungstosilicic acid OR 12-molybdsilicic acid) carbonylation | US-PGPUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:04 |
| S102 | 8 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND iridium AND (methyl ADJ iodide OR iodomethane) AND (12-tungstophosphoric acid OR 12-molybdochosphoric acid OR 12-tungstosilicic acid OR 12-molybdsilicic acid) | US-PGPUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:06 |
| S103 | 9 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND (methyl ADJ iodide OR iodomethane) AND (12-tungstophosphoric acid OR 12-molybdochosphoric acid OR 12-tungstosilicic acid OR 12-molybdsilicic acid) carbonylation | US-PGPUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:06 |
| S104 | 31383 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND (methyl ADJ iodide OR iodomethane) AND (12-tungstophosphoric acid OR H3PW12O40 OR Phosphotungstic Acid OR PTA OR PWA OR Tungstophosphoric ADJ acid OR TPA OR 12-phosphotungstic ADJ acid OR dodecatungstophosphoric ADJ acid) OR (12-molybdochosphoric ADJ acid OR H3PMo12O40 OR Phosphomolybdcic ADJ acid OR PMA) OR (12-molybdsilicic acid OR SILI COMOLYBDIC ADJ ACID OR SILI COMOLYBDIC ADJ ACID) OR (12-tungstosilicic acid OR TSA OR H4SiO412WO3XH2O OR silicotungstic ADJ Acid) | US-PGPUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:23 |

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| S105 | 2152 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND (methyl ADJ iodide OR iodomethane) AND ((12-tungstophosphoric acid OR H3PW12O40 OR Phosphotungstic ADJ acid OR PTA OR PWA OR Tungstophosphoric ADJ acid OR TPA OR 12-phosphotungstic ADJ acid OR dodecatungstophosphoric ADJ acid) OR (12-molybdochosphoric ADJ acid OR H3PMo12O40 OR Phosphomolybdcic ADJ acid OR PMA) OR (12-molybosilicic acid OR SILI COMOLYBDIC ADJ ACID OR SILI COMOLYBDIC ADJ ACID) OR (12-tungstosilicic acid OR TSA OR H4SiO412WO3XH2O OR silicotungstic ADJ Acid)) | US-PPGUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:24 |
| S106 | 30064 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND (methyl ADJ iodide OR iodomethane) | US-PPGUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:24 |
| S107 | 2152 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND (methyl ADJ iodide OR iodomethane) AND ((12-tungstophosphoric acid OR H3PW12O40 OR Phosphotungstic ADJ acid OR PTA OR PWA OR Tungstophosphoric ADJ acid OR TPA OR 12-phosphotungstic ADJ acid OR dodecatungstophosphoric ADJ acid) OR (12-molybdochosphoric ADJ acid OR H3PMo12O40 OR Phosphomolybdcic ADJ acid OR PMA) OR (12-molybosilicic acid OR SILI COMOLYBDIC ADJ ACID OR SILI COMOLYBDIC ADJ ACID) OR (12-tungstosilicic acid OR TSA OR H4SiO412WO3XH2O OR silicotungstic ADJ Acid)) | US-PPGUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:25 |

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|------|----|--|-------------------------------|-----|----|------------------|
| S108 | 54 | (acetic ADJ acid OR C2H4O2 OR ethanoic ADJ acid OR Acetyl ADJ hydroxide OR AcOH OR Hydrogen ADJ acetate OR Ethylic ADJ acid OR Methanecarboxylic ADJ acid) AND (methyl ADJ iodide OR iodomethane) AND ((12-tungstophosphoric acid OR H3PW12O40 OR Phosphotungstic ADJ acid OR PTA OR PWA OR Tungstophosphoric ADJ acid OR TPA OR 12-phosphotungstic ADJ acid OR dodecatungstophosphoric ADJ acid) OR (12-molybdophosphoric ADJ acid OR H3PMo12O40 OR Phosphomolybdic ADJ acid OR PMA) OR (12-molybdsilicic acid OR SILI/COMOLYBDIC ADJ ACID OR SILI/COMOLYBDIC ADJ ACID) OR (12-tungstosilicic acid OR TSA OR H4SiO412WO3XH2O OR silicotungstic ADJ Acid)) carbonylation | US-PPGUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:25 |
| S109 | 61 | (methyl ADJ iodide OR iodomethane) AND ((12-tungstophosphoric acid OR H3PW12O40 OR Phosphotungstic ADJ acid OR PTA OR PWA OR Tungstophosphoric ADJ acid OR TPA OR 12-phosphotungstic ADJ acid OR dodecatungstophosphoric ADJ acid) OR (12-molybdophosphoric ADJ acid OR H3PMo12O40 OR Phosphomolybdic ADJ acid OR PMA) OR (12-molybdsilicic acid OR SILI/COMOLYBDIC ADJ ACID OR SILI/COMOLYBDIC ADJ ACID) OR (12-tungstosilicic acid OR TSA OR H4SiO412WO3XH2O OR silicotungstic ADJ Acid)) carbonylation | US-PPGUB; USPAT; EPO; DERWENT | AND | ON | 2009/09/10 10:34 |

9/10/2009 12:51:58 PM

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